



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 10  
SEATTLE, WASHINGTON 98101

JUL 10 1987

REPLY TO  
ATTN OF:

HW-113

MEMORANDUM

SUBJECT: Delegation of ROD Approval to Region 10

FROM: Charles E. Findley, Director  
Hazardous Waste Division

TO: Henry L. Longest II, Director  
Office of Emergency and Remedial Response

Region 10 is requesting that the Record of Decision (ROD) approval for the Colbert Landfill site and Northside Landfill site be delegated to the Regional Administrator. The remedial investigation and feasibility studies have been completed for both sites. It is anticipated that the ROD decision will occur during the fourth quarter of 1987. Both of these sites are state lead.

Attached are the delegation briefing statements for both sites. We will continue our communication with OSWER through the State Program Section.

If you have any questions concerning these two sites, please telephone Neil Thompson, Regional Project Manager, at FTS 399-7177.

Attachments

USEPA SF



1257661

bcc: Rushin

## ATTACHMENT

### Delegation Briefing: Colbert Landfill Spokane County, Washington

#### Delegation Criteria

General remedial measure in which the off-site contamination migration is defined. The plume can be limited using proven technologies. Human exposure has been reduced by an alternative water supply Initial Remedial Measure (IRM).

#### Site Description

The site is a 40 acre landfill serving rural north Spokane County about 15 miles north of Spokane, Washington. A local electronics firm, KeyTronics, disposed of waste solvents (1,1, 1-trichloroethane [TCA] and methylene chloride) into the working face of the landfill for about five years between 1975 and 1980. The site is preparing for closure because it is reaching capacity.

Private domestic wells were sampled and found to be contaminated, prompting a full Remedial Investigation. Initially five wells were found with TCA concentrations above 200 ug/l. The completed Remedial Investigation documents about 20 homes with TCA concentrations greater than the 200 ug/l local health criteria.

An IRM was implemented to first provide bottled water and later to install a new water distribution system for those homes with well contamination greater than 200 ug/l TCA. The alternative water IRM was installed by state advanced match and PRP funding.

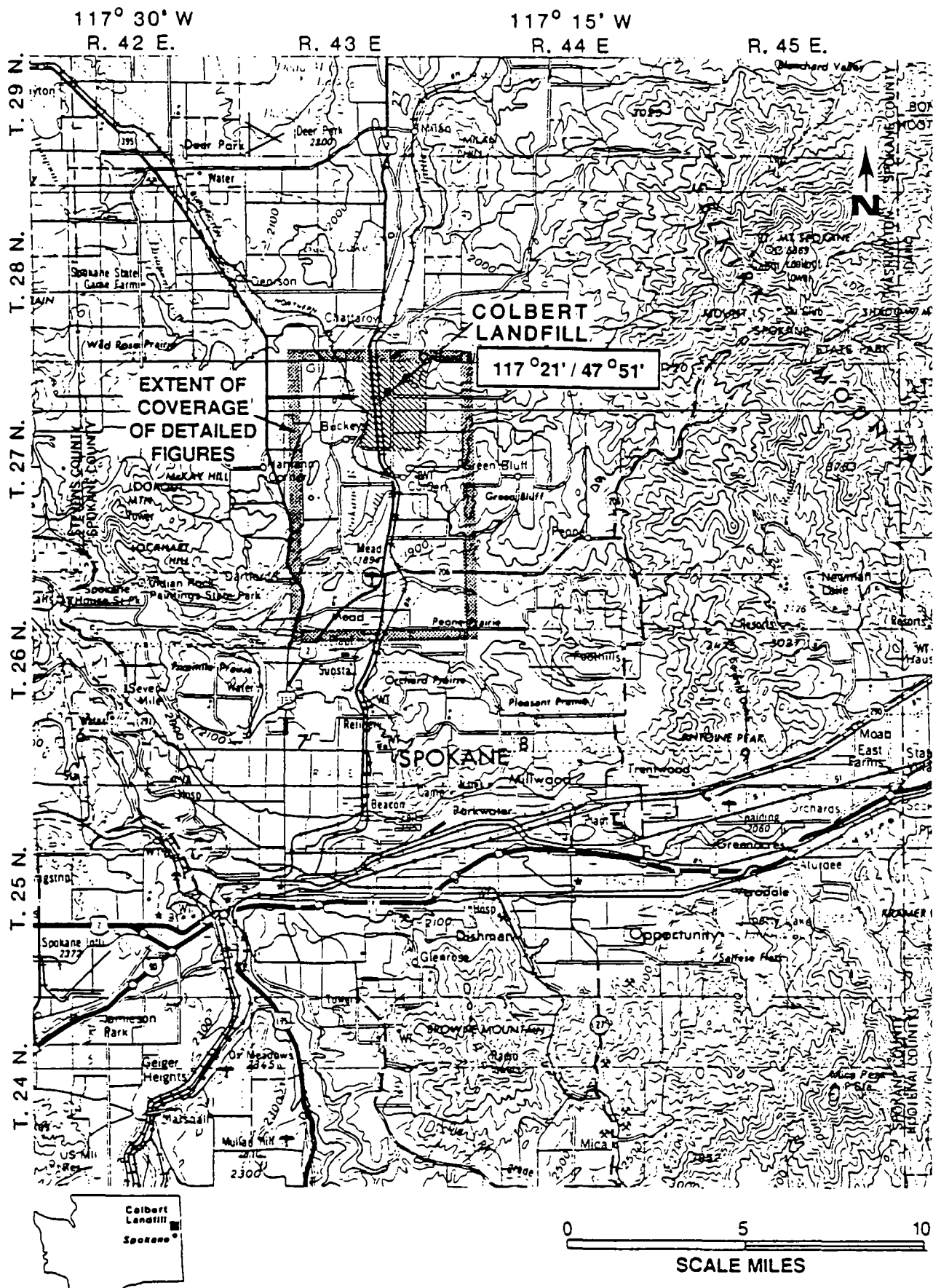
The contamination groundwater plume has been identified and the route projected. More private wells may become unusable before any remedial actions can be implemented. The alternative water distribution system is being designed to expand the supply as new areas are impacted.

#### Issues

- ° Although groundwater contamination is impacting a large area (2 miles by 1/2 mile), the area over the plume is rural. Only about 500 people are currently impacted or are located in the projected plume path.
- ° 1,1,1 trichloroethane is not a human carcinogen; however, the local health department has adopted the Recommended Maximum Concentration Level (RMCL) of 200 ug/l TCA proposed by the EPA drinking water standards as a criteria for alternative water supplies.
- ° The solvent is highly mobile, requiring quick action to control the plume expansion which is calculated to move approximately 2 and 1/2 feet per day.
- ° The landfill closure will include a very tight cap ( $10^{-6}$  cm/sec) as required by state solid waste laws. This will be evaluated as a potential part of any source controls.

Recommendation

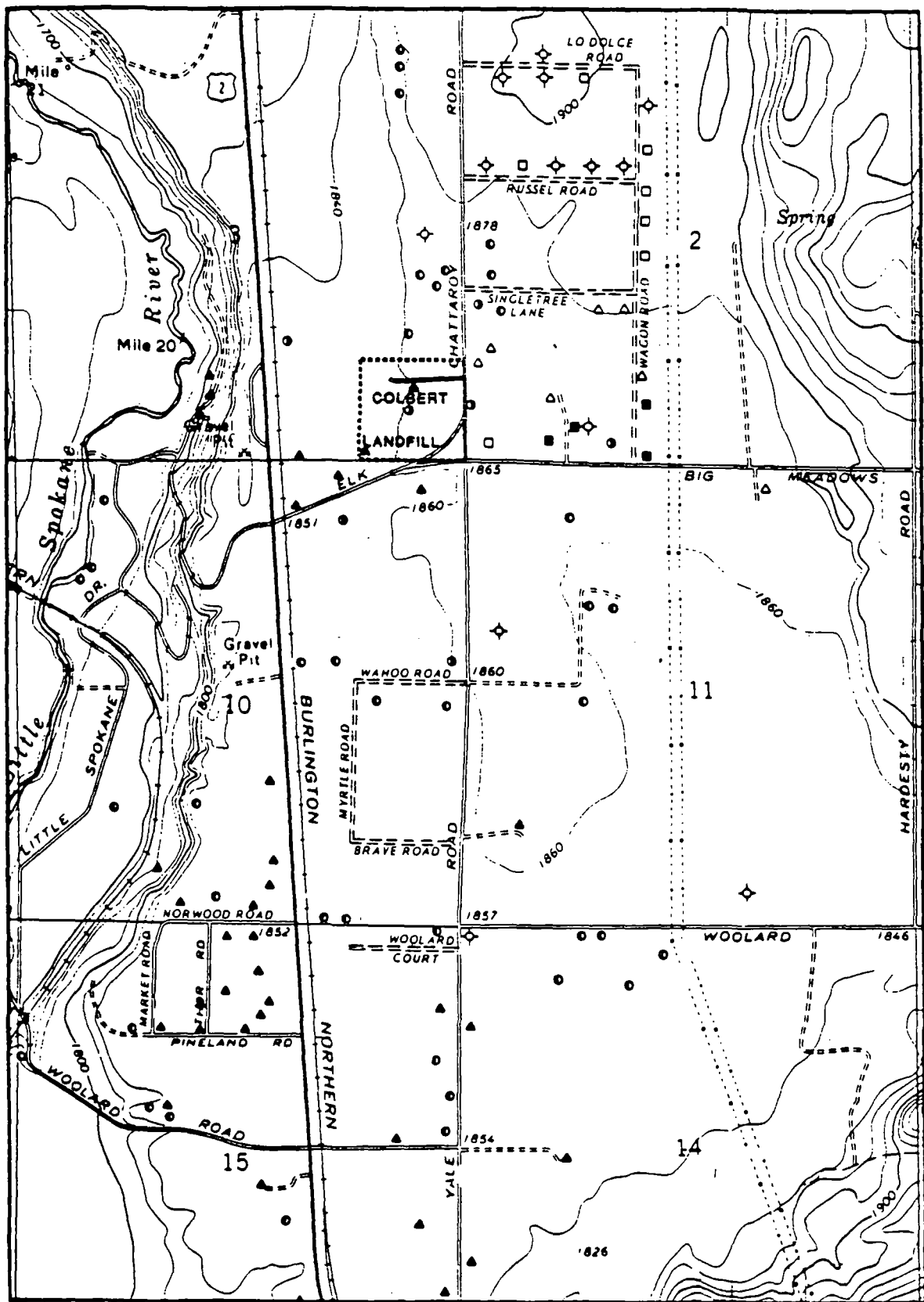
It is recommended that the selection of the remedial action be delegated to the Regional Administrator. No unusual technologies or policy issues of national interest are expected. Normal contact with the OSWER state lead liaison will continue.



# REGIONAL LOCATION MAP OF COLBERT LANDFILL SITE

SOURCE: USGS 1:250,000 MAP OF SPOKANE, WA.

FIGURE 1-1



# **COLBERT LANDFILL SITE LOCATION MAP**

SOURCE: GOLDER ASSOCIATES 1986

## ATTACHMENT

### Delegation Briefing: Northside Landfill City of Spokane, Washington

#### Delegation Criteria

Limited threat is posed by this site because the city of Spokane has supplied municipal water to those residences which had contaminated wells.

#### Site Description

The landfill is on a 345 acre site located in northwest Spokane, Washington. The Northside Landfill operated as a burning dump from the early 1930s until about 1965 when the earthen cover system was employed. The city of Spokane has owned and operated the site throughout its life.

On-site monitoring wells sampled in March 1983 identified groundwater contamination exceeding drinking water criteria for iron, manganese, and tetrachlorethylene (PERC). Presence of PERC as high as 38 ug/l prompted an alternative water response by the city. A municipal water system was extended to 19 homes within two weeks of confirmation of contamination, and a potentially impacted area with 16 more homes was connected to the system by spring 1984.

The Northside Landfill was proposed as an NPL site on September 8, 1983, and finalized on September 21, 1984. A city-directed Remedial Investigation was underway when the site was proposed. The final state lead Remedial Investigation/Feasibility Study (RI/FS) is due in July 1987.

The groundwater plume appears to have reached a steady state where the edges of the plume are defined and are not moving with the groundwater flow.

#### Issues

- ° The groundwater contamination has impacted an area with 35 residences which were on private water supply systems.
- ° The city of Spokane has extended the municipal water system to include all homes in the impacted area.
- ° Tetrachloroethylene (PERC) is a suspected human carcinogen. The levels of PERC in wells in the impacted area exceed the state criteria of 8.0 ug/l.
- ° This landfill has a design life of another 10 years or more.
- ° The contamination area appears to be stable and not increasing in size.

#### Recommendation

It is recommended that the selection of the remedial action be delegated to the Regional Administrator. No unusual technologies or policy issues of national interest are expected. Normal contacts with OSWER will continue.

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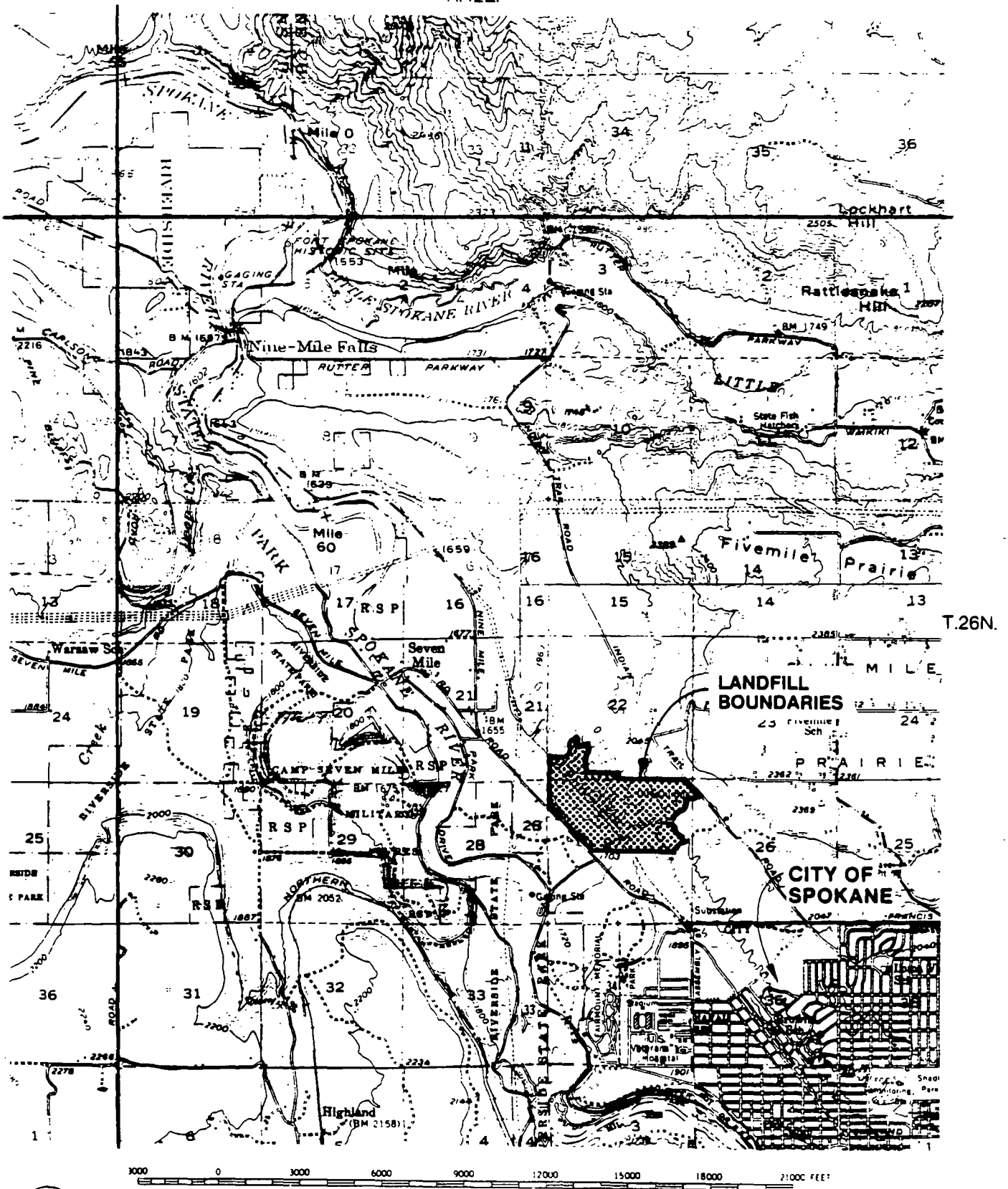


Figure ES-1  
VICINITY MAP  
North Landfill  
Spokane, Washington

JUL 10 1987

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~~At~~ Charles E. FindleyCharles E. Findley, Director  
Hazardous Waste DivisionHenry L. Longest II, Director  
Office of Emergency and Remedial Response

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## Attachments

N.THOMPSON LK 9/15/86 7639P

CONCURRENCES							
SYMBOL	ck	pan					
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DATE	7/9/87	7/21/87	Jan				